

WHAT IS CLAIMED IS

1. A work support information extracting program which
is executed on a computer comprising a data processing
5 unit, a storage unit containing a staff/organization
database, and an input-output unit; wherein

the work support information extracting program is
provided with a work extracting function that stores
an inputted work database into the storage unit and a
10 work support flow generating function that generates
work support flow data from the information in the
staff/organization database and work database and
stores the data into the storage unit as well; and

the work support flow generating function is
15 provided with a function that generates, from the
workflows in an organizational class stored in the
work database and class information stored in the
staff/organization database, the work carrying-out
condition information applicable to multiple
20 organizational classes.

2. A work support information extracting program
which is executed on a computer comprising a data
processing unit, a storage unit containing a
25 staff/organization database, and an input-output unit;
wherein

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the work support information extracting program is provided with a work extracting function that stores an inputted work database into the storage unit and a work support flow generating function that generates
5 work support flow data from the information in the staff/organization database and work database and stores the data into the storage unit as well; and

the work extracting function is provided with a work item name inputting function that inputs the work
10 item information corresponding to the organizational class information in the staff/organization database, a work carrying-out unit extracting function that inputs the work carrying-out unit information, a work carrying-out condition extracting function that inputs
15 the work carrying-out condition information, a function that registers a set of the work item information, work carrying-out unit information and work carrying-out condition information, a class workflow completion condition generating function that
20 inputs the condition of completing the whole work in the organizational class, and a function that inputs sub-work items subdivided from the work item if the work carrying-out unit corresponding to the work item information is an organization.

25 3. A work support information extracting program which is executed on a computer comprising a data

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processing unit, a storage unit containing a
staff/organization database, and an input-output unit;
wherein

the work support information extracting program is
5 provided with a work extracting function that stores
an inputted work database into the storage unit and a
work support flow generating function that generates
work support flow data from the information in the
staff/organization database and work database and
10 stores the data into the storage unit as well;

the work extracting function is provided with a
work item name inputting function that inputs the work
item information corresponding to the organizational
class information in the staff/organization database,
15 a work carrying-out unit extracting function that
inputs the work carrying-out unit information, a work
carrying-out condition extracting function that inputs
the work carrying-out condition information, a
function that registers a set of the work item
20 information, work carrying-out unit information and
work carrying-out condition information, a class
workflow completion condition generating function that
inputs the condition of completing the whole work in
the organizational class, and a function that inputs
25 sub-work items subdivided from the work item if the
work carrying-out unit corresponding to the work item

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information is an organization; and

the work carrying-out unit extracting function is provided with a function that presents, as a candidate for carrying out the work item, the name of the manager of the organizational class corresponding to the work item information, names of subordinates under the manager, and names of organizations under the organizational class.

4. A work support information extracting program which is executed on a computer comprising a data processing unit, a storage unit containing a staff/organization database, and an input-output unit; wherein

the work support information extracting program is provided with a work extracting function that stores an inputted work database into the storage unit and a work support flow generating function that generates work support flow data from the information in the staff/organization database and work database and stores the data into the storage unit as well;

the work extracting function is provided with a work item name inputting function that inputs the work item information corresponding to the organizational class information in the staff/organization database, a work carrying-out unit extracting function that

inputs the work carrying-out unit information, a work
carrying-out condition extracting function that inputs
the work carrying-out condition information, a
function that registers a set of the work item
5 information, work carrying-out unit information and
work carrying-out condition information, a class
workflow completion condition generating function that
inputs the condition of completing the whole work in
the organizational class, and a function that inputs
10 sub-work items subdivided from the work item if the
work carrying-out unit corresponding to the work item
information is an organization; and

the work carrying-out condition extracting
function is provided with a function that inputs a
15 workflow, comprising the carrying-out sequences and
conditions of a single or multiple pieces of work in
the organizational class, independently in the
organizational class.

20 5. A work support information extracting program
which is executed on a computer comprising a data
processing unit, a storage unit, and an input-output
unit; wherein

the computer is equipped with a staff/organization
25 database;

the work support information extracting program,

being executed on the computer, realizes a work
extracting function that stores an inputted work
database into the storage unit and a work support flow
generating function that generates work support flow
5 data from the information in the staff/organization
database and work database and stores the data into
the storage unit;

the work extracting function is provided with a
work item name inputting function that inputs the work
10 item information corresponding to the organizational
class information in the staff/organization database,
a work carrying-out unit extracting function that
inputs the work carrying-out unit information, a work
carrying-out condition extracting function that inputs
15 the work carrying-out condition information, a
function that registers a set of the work item
information, work carrying-out unit information and
work carrying-out condition information, a class
workflow completion condition generating function that
20 inputs the condition of completing the whole work in
the organizational class, and a function that inputs
sub-work items subdivided from the work item if the
work carrying-out unit corresponding to the work item
information is an organization; and

25 the work carrying-out condition extracting
function is provided with a function that switches a

means for inputting the work carrying-out condition
information depending upon whether a workflow
comprising the carrying-out sequences and conditions
of a single or multiple pieces of work in the
5 organizational class contains a branch(es) or not.

6. A work support information extracting program
which is executed on a computer comprising a data
processing unit, a storage unit, and an input-output
10 unit; wherein

the computer is equipped with a staff/organization
database;

the work support information extracting program,
being executed on the computer, realizes a work
15 extracting function that stores an inputted work
database into the storage unit and a work support flow
generating function that generates work support flow
data from the information in the staff/organization
database and work database and stores the data into
20 the storage unit;

the staff/organization database contains the
organization information about the class structure of
the organization that carries out the work and the
staff information about the staff who constitutes the
25 organization and carries out the work;

the work database contains the work item

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information, work carrying-out condition information
that indicates the sequences and conditions of
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out the work, and work carrying-out unit
5 information that indicates the person(s) or
organization(s) in charge of carrying out the work,
and also contains the work carrying-out condition
information independent for each organizational class;
and

10 the work support flow data contains the work item
information, work carrying-out condition information
and work carrying-out unit information and also
contains the work carrying-out condition information
applicable to multiple organizational classes.

15 7. A work support information extracting program
which is executed on a computer comprising a data
processing unit, a storage unit containing a
staff/organization database, and an input-output unit;
20 wherein

the work support information extracting program is
provided with a work extracting function that stores
an inputted work database into the storage unit and a
work support flow generating function that generates
25 work support flow data from the information in the
staff/organization database and work database and

stores the data into the storage unit;

the staff/organization database contains the organization information about the class structure of the organization that carries out the work and the staff information about the staff who constitutes the organization and carries out the work;

the work database contains the work item information, work carrying-out condition information that indicates the sequences and conditions of carrying out the work, and work carrying-out unit information that indicates the person(s) or organization(s) in charge of carrying out the work, and also contains the work carrying-out condition information independent for each organizational class;

the work support flow data contains the work item information, work carrying-out condition information and work carrying-out unit information and also contains the work carrying-out condition information applicable to multiple organizational classes;

the work extracting function is provided with a work item name inputting function that inputs the work item information corresponding to the organizational class information, a work carrying-out unit extracting function that inputs the work carrying-out unit information, a work carrying-out condition extracting function that inputs the work carrying-out condition

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information, a function that registers a set of the
work item information, work carrying-out unit
information and work carrying-out condition
information, a class workflow completion condition
5 generating function that inputs the condition of
completing the whole work in the organizational class,
and a function that inputs sub-work items subdivided
from the work item if the work carrying-out unit
corresponding to the work item information is an
10 organization;

the work carrying-out unit extracting function is
provided with a function that presents, as a candidate
for carrying out the work item, the name of the
manager of the organizational class corresponding to
15 the work item information, names of subordinates under
the manager, and names of organizations under the
organizational class;

the work carrying-out condition extracting
function is provided with a function that inputs a
20 workflow, comprising the carrying-out sequences and
conditions of a single or multiple pieces of work in
the organizational class, independently in the
organizational class and a function that switches a
means for inputting the work carrying-out condition
25 information depending upon whether the workflow in the
organizational class contains a branch(es) or not; and

the work support flow generating function is provided with a function that generates, from the workflows in an organizational class stored in the work database and class information stored in the staff/organization database, the work carrying-out condition information applicable to multiple organizational classes.

8. A work support information extracting program which is executed on a computer comprising a data processing unit, a storage unit, and an input-output unit; wherein

the work support information extracting program is provided with a staff/organization DB inputting function that stores an inputted staff/organization database into the storage unit, a work extracting function that stores an inputted work database into the storage unit, and a work support flow generating function that generates work support flow data from the information in the staff/organization database and work database and stores the data into the storage unit; and

the work support flow generating function is provided with a function that generates, from the workflows in an organizational class stored in the work database and class information stored in the

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staff/organization database, the work carrying-out condition information applicable to multiple organizational classes.

- 5 9. A work support information extracting program which is executed on a computer comprising a data processing unit, a storage unit, and an input-output unit; wherein

10 the work support information extracting program is provided with a staff/organization DB inputting function that stores an inputted staff/organization database into the storage unit, a work extracting function that inputs the work database from the input unit and stores the data into the storage unit, and a
15 work support flow generating function that generates work support flow data from the information in the staff/organization database and work database and stores the data into the storage unit; and

20 the work extracting function is provided with a work item name inputting function that inputs the work item information corresponding to the organizational class information in the staff/organization database, a work carrying-out unit extracting function that
25 inputs the work carrying-out unit information, a work carrying-out condition extracting function that inputs the work carrying-out condition information, a

function that registers a set of the work item
information, work carrying-out unit information and
work carrying-out condition information, a class
workflow completion condition generating function that
5 inputs the condition of completing the whole work in
the organizational class, and a function that inputs
sub-work items subdivided from the work item if the
work carrying-out unit corresponding to the work item
information is an organization.

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10. A work support information extracting program
which is executed on a computer comprising a data
processing unit, a storage unit, and an input-output
unit; wherein

15 the work support information extracting program is
provided with a staff/organization DB inputting
function that stores an inputted staff/organization
database into the storage unit, a work extracting
function that stores an inputted work database into
20 the storage unit, and a work support flow generating
function that generates work support flow data from
the information in the staff/organization database and
work database and stores the data into the storage
unit;

25 the work extracting function is provided with a
work item name inputting function that inputs the work

item information corresponding to the organizational
class information in the staff/organization database,
a work carrying-out unit extracting function that
inputs the work carrying-out unit information, a work
5 carrying-out condition extracting function that inputs
the work carrying-out condition information, a
function that registers a set of the work item
information, work carrying-out unit information and
work carrying-out condition information, a class
10 workflow completion condition generating function that
inputs the condition of completing the whole work in
the organizational class, and a function that inputs
sub-work items subdivided from the work item if the
work carrying-out unit corresponding to the work item
15 information is an organization; and

the work carrying-out unit extracting function is
provided with a function that presents, as a candidate
for carrying out the work item, the name of the
manager of the organizational class corresponding to
20 the work item information, names of subordinates under
the manager, and names of organizations under the
organizational class.

11. A work support information extracting program
25 which is executed on a computer comprising a data
processing unit, a storage unit, and an input-output

unit; wherein

the work support information extracting program is provided with a staff/organization DB inputting function that stores an inputted staff/organization database into the storage unit, a work extracting function that stores an inputted work database into the storage unit, and a work support flow generating function that generates work support flow data from the information in the staff/organization database and work database and stores the data into the storage unit;

the work extracting function is provided with a work item name inputting function that inputs the work item information corresponding to the organizational class information in the staff/organization database, a work carrying-out unit extracting function that inputs the work carrying-out unit information, a work carrying-out condition extracting function that inputs the work carrying-out condition information, a function that registers a set of the work item information, work carrying-out unit information and work carrying-out condition information, a class workflow completion condition generating function that inputs the condition of completing the whole work in the organizational class, and a function that inputs sub-work items subdivided from the work item if the

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work carrying-out unit corresponding to the work item information is an organization; and

the work carrying-out condition extracting function is provided with a function that inputs a workflow, comprising the carrying-out sequences and conditions of a single or multiple pieces of work in the organizational class, independently in the organizational class.

10 12. A work support information extracting program which is executed on a computer comprising a data processing unit, a storage unit, and an input-output unit; wherein

the work support information extracting program is provided with a staff/organization DB inputting function that stores an inputted staff/organization database into the storage unit, a work extracting function that stores an inputted work database into the storage unit, and a work support flow generating function that generates work support flow data from the information in the staff/organization database and work database and stores the data into the storage unit;

the work extracting function is provided with a work item name inputting function that inputs the work item information corresponding to the organizational

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class information in the staff/organization database,
a work carrying-out unit extracting function that
inputs the work carrying-out unit information, a work
carrying-out condition extracting function that inputs
5 the work carrying-out condition information, a
function that registers a set of the work item
information, work carrying-out unit information and
work carrying-out condition information, a class
workflow completion condition generating function that
10 inputs the condition of completing the whole work in
the organizational class, and a function that inputs
sub-work items subdivided from the work item if the
work carrying-out unit corresponding to the work item
information is an organization; and
15 the work carrying-out condition extracting
function is provided with a function that switches a
means for inputting the work carrying-out condition
information depending upon whether a workflow
comprising the carrying-out sequences and conditions
20 of a single or multiple pieces of work in the
organizational class contains a branch(es) or not.

13. A work support information extracting program
which is executed on a computer comprising a data
25 processing unit, a storage unit, and an input-output
unit; wherein

the work support information extracting program,
being executed on the computer, realizes a
staff/organization DB inputting function that stores
an inputted staff/organization database into the
5 storage unit, a work extracting function that stores
an inputted work database into the storage unit, and a
work support flow generating function that generates
work support flow data from the information in the
staff/organization database and work database and
10 stores the data into the storage unit;

the staff/organization database contains the
organization information about the class structure of
the organization that carries out the work and the
staff information about the staff who constitutes the
15 organization and carries out the work;

the work database contains the work item
information, work carrying-out condition information
that indicates the sequences and conditions of
carrying out the work, and work carrying-out unit
20 information that indicates the person(s) or
organization(s) in charge of carrying out the work,
and also contains the work carrying-out condition
information independent for each organizational class;
and

25 the work support flow data contains the work item
information, work carrying-out condition information

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and work carrying-out unit information and also contains the work carrying-out condition information applicable to multiple organizational classes.

- 5 14. A work support information extracting program which is executed on a computer comprising a data processing unit, a storage unit, and an input-output unit; wherein

10 the work support information extracting program is provided with a staff/organization DB inputting function that stores an inputted staff/organization database into the storage unit, a work extracting function that stores an inputted work database into the storage unit, and a work support flow generating
15 function that generates work support flow data from the information in the staff/organization database and work database and stores the data into the storage unit;

20 the staff/organization database contains the organization information about the class structure of the organization that carries out the work and the staff information about the staff who constitutes the organization and carries out the work;

25 the work database contains the work item information, work carrying-out condition information that indicates the sequences and conditions of

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carrying out the work, and work carrying-out unit
information that indicates the person(s) or
organization(s) in charge of carrying out the work,
and also contains the work carrying-out condition
5 information independent for each organizational class;

the work support flow data contains the work item
information, work carrying-out condition information
and work carrying-out unit information and also
contains the work carrying-out condition information
10 applicable to multiple organizational classes;

the work extracting function is provided with a
work item name inputting function that inputs the work
item information corresponding to the organizational
class information, a work carrying-out unit extracting
15 function that inputs the work carrying-out unit
information, a work carrying-out condition extracting
function that inputs the work carrying-out condition
information, a function that registers a set of the
work item information, work carrying-out unit
20 information and work carrying-out condition
information, a class workflow completion condition
generating function that inputs the condition of
completing the whole work in the organizational class,
and a function that inputs sub-work items subdivided
25 from the work item if the work carrying-out unit
corresponding to the work item information is an

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organization;

the work carrying-out unit extracting function is provided with a function that presents, as a candidate for carrying out the work item, the name of the manager of the organizational class corresponding to the work item information, names of subordinates under the manager, and names of organizations under the organizational class;

the work carrying-out condition extracting function is provided with a function that inputs a workflow, comprising the carrying-out sequences and conditions of a single or multiple pieces of work in the organizational class, independently in the organizational class and a function that switches a means for inputting the work carrying-out condition information depending upon whether the workflow in the organizational class contains a branch(es) or not; and

the work support flow generating function is provided with a function that generates, from the workflows in an organizational class stored in the work database and class information stored in the staff/organization database, the work carrying-out condition information applicable to multiple organizational classes.

15. A work support information extracting system,
containing a data processing unit, a storage unit, and
an input-output unit, which is realized by execution
of the work support information extracting program
5 according to any one of Claims 1 through 14 on the
computer.

16. A work support information extracting method which
is realized by execution of a work support information
10 extracting program on a computer comprising a data
processing unit, a storage unit containing a
staff/organization database, and an input-output unit;
wherein

a work database inputted from the input unit is
15 stored in the storage unit;

work support flow data is generated from the
information in the staff/organization database and
work database, and stored in the storage unit as well;
and

20 work carrying-out condition information applicable
to multiple organizational classes is generated from
the workflows in the organizational class stored in
the work database and class information stored in the
staff/organization database.

17. A work support information extracting method which is realized by execution of a work support information extracting program according to any one of Claims 1 through 14 on a computer; comprising:

5 an individual enterprise data reading process for reading out the staff/organization database, work database and work support flow data from multiple organizations;

10 an enterprise DB inputting process for inputting an enterprise database having the same data structure as the staff/organization database according to Claim 13;

15 an enterprise work extracting process for inputting an enterprise work database having the same data structure as the work database according to Claim 13;

20 an integrated work support flow generating process for generating, from the information in the enterprise database and enterprise work database, the integrated work support flow data having the same data structure as the work support flow data according to Claim 13; and

25 an individual enterprise data distributing process for breaking down the integrated work support flow data by organizations, which are read out in the individual enterprise data reading process, and

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distributing the data to the organizations.

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